

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 20, 2006, 19:27:44 ; Search time 64 Seconds
(without alignments)
1610.915 Million cell updates/sec

Title: US-09-615-571A-1_COPY_510_567

Perfect score: 58

Sequence: 1 catgaagtcaccgctctgc.....tgccctctcgtgcttctgct 58

Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 1303057 seqs, 888780828 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/1/ina/1-COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5-COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A-COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B-COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/H-COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/PCTUS-COMB.seq.*
- 7: /cgn2_6/ptodata/1/ina/PP-COMB.seq.*
- 8: /cgn2_6/ptodata/1/ina/RE-COMB.seq.*
- 9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	58	100.0	2318	3	US-09-426-072-1
2	19	32.8	35060	3	US-08-814-095-7
3	18	31.0	27	3	US-09-426-072-3
4	17	29.3	601	3	US-09-949-016-24377
5	17	29.3	601	3	US-09-949-016-199548
6	17	29.3	601	3	US-09-949-002-2643
7	17	29.3	601	3	US-09-949-002-2644
8	17	29.3	601	3	US-09-949-002-2645
9	17	29.3	601	3	US-09-949-002-2646
10	17	29.3	601	3	US-09-949-002-2647
11	17	29.3	601	3	US-09-949-002-2648
12	17	29.3	1029	3	US-09-799-451-312
13	17	29.3	9316	3	US-09-949-016-16181
14	17	29.3	54286	3	US-09-949-002-837
15	17	29.3	66955	3	US-09-949-002-642
16	17	29.3	373182	3	US-09-949-016-17371
17	17	29.3	373694	3	US-09-949-016-12062
18	17	29.3	4403765	3	US-09-103-840A-2
19	17	29.3	4411529	3	US-09-103-840A-1
20	16	27.6	30	3	US-09-033-333-17
21	16	27.6	30	3	US-09-033-428-18
22	16	27.6	30	3	US-09-033-556-40
23	16	27.6	30	3	US-09-614-495-17
24	16	27.6	30	3	US-09-898-883-18

25	16	27.6	30	3	US-09-814-292-38
26	16	27.6	30	3	US-09-875-228-24
27	16	27.6	480	6	PCT-US96-04648-1
28	16	27.6	1280	2	US-08-027-986-3
29	16	27.6	2540	2	US-08-027-986-4
30	16	27.6	7845	3	US-09-949-016-14467
31	16	27.6	23632	3	US-09-949-016-16270
32	16	27.6	34427	3	US-09-111-911-5
33	16	27.6	35937	3	US-09-782-378A-3
34	16	27.6	42053	3	US-09-949-016-15924
35	16	27.6	118136	3	US-09-949-016-12439
36	15	25.9	259	3	US-09-270-767-4753
37	15	25.9	259	3	US-09-270-767-20035
38	15	25.9	483	3	US-09-252-991A-11472
39	15	25.9	601	3	US-09-949-016-26718
40	15	25.9	601	3	US-09-949-016-32732
41	15	25.9	601	3	US-09-949-016-51836
42	15	25.9	601	3	US-09-949-016-54005
43	15	25.9	601	3	US-09-949-016-54006
44	15	25.9	601	3	US-09-949-016-108639
45	15	25.9	601	3	US-09-949-016-108640

ALIGNMENTS

RESULT 1
US-09-426-072-1
; Sequence 1, Application US/09426072
; Patent No. 6146869
; GENERAL INFORMATION:
; APPLICANT: Paul Harris
; APPLICANT: Kimberly M. Brown
; TITLE OF INVENTION: Polypeptides Having Phospholipase B
; TITLE OF INVENTION: Activity And Nucleic Acids Encoding Same
; FILE REFERENCE: 5951.000-US
; CURRENT APPLICATION NUMBER: US/09/426.072
; CURRENT FILING DATE: 1999-10-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2318
; TYPE: DNA
; ORGANISM: Aspergillus oryzae
US-09-426-072-1

Query Match 100.0%; Score 58; DB 3; Length 2318;
Best Local Similarity 100.0%; Pred. No. 4e-22;
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY ... 1 CATGAAGTCCACCGCTCTGCTTACTGGTCTCGGCTCTTGGCTCTTCGGTCTTGGCT 58
DB 510 CATGAAGTCCACCGCTCTGCTTACTGGTCTCGGCTCTTGGCTCTTCGGTCTTGGCT 567

RESULT 2
US-08-814-095-7/c
; Sequence 7, Application US/08814095
; Patent No. 6025183
; GENERAL INFORMATION:
; APPLICANT: Soreq, Hermona
; APPLICANT: Zakut, Haim
; APPLICANT: Shani, Moshe
; TITLE OF INVENTION: TRANSGENIC ANIMAL ASSAY SYSTEM FOR
; TITLE OF INVENTION: ANTI-CHOLINESTERASE SUBSTANCES
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KOHN & ASSOCIATES
; STREET: 30500 No. 6025183thwestern Highway, Suite 410
; CITY: Farmington Hills
; STATE: Michigan
; COUNTRY: U.S.
; ZIP: 48334

```
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/814,095
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Montgomery, Ilene N.
REGISTRATION NUMBER: 38,972
REFERENCE/DOCKET NUMBER: 2391.00066
TELECOMMUNICATION INFORMATION:
TELEPHONE: (248) 539-5050
TELEFAX: (248) 539-5055
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 35060 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Cosmid including ACHE
DESCRIPTION: promoter, ACHE gene and ARS gene"
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 7q22
FEATURE:
NAME/KEY: promoter
LOCATION: 4089..22464
OTHER INFORMATION: /function= "ACHE Promotor"
FEATURE:
NAME/KEY: exon
LOCATION: 22465..22537
OTHER INFORMATION: /function= "non-translated"
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 1
FEATURE:
NAME/KEY: exon
LOCATION: 24090..25177
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /function= "(translation start:
OTHER INFORMATION: 24110)"
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 2
FEATURE:
NAME/KEY: exon
LOCATION: 25524..26009
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 3
FEATURE:
NAME/KEY: exon
LOCATION: 27005..27274
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 4
FEATURE:
NAME/KEY: exon
LOCATION: 27255..28007
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 5
FEATURE:
NAME/KEY: terminator
LOCATION: 27385..27387
FEATURE:
NAME/KEY: exon
LOCATION: 28008..28129
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 6
FEATURE:
NAME/KEY: terminator
LOCATION: 28129..28131
FEATURE:
NAME/KEY: exon
LOCATION: complement (34528..34895)
OTHER INFORMATION: /function= "arsenite resistance
OTHER INFORMATION: gene"
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 1
FEATURE:
NAME/KEY: exon
LOCATION: complement (34092..34358)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 2
FEATURE:
NAME/KEY: exon
LOCATION: complement (33779..33963)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 3
FEATURE:
NAME/KEY: exon
LOCATION: complement (33493..33591)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 4
FEATURE:
NAME/KEY: exon
LOCATION: complement (33297..33408)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 5
FEATURE:
NAME/KEY: exon
LOCATION: complement (32959..33094)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 6
FEATURE:
NAME/KEY: exon
LOCATION: complement (32386..32468)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 8
FEATURE:
NAME/KEY: exon
LOCATION: complement (31894..32080)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 9
FEATURE:
NAME/KEY: exon
LOCATION: complement (31363..31534)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 10
FEATURE:
NAME/KEY: exon
LOCATION: complement (31131..31284)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 11
FEATURE:
NAME/KEY: exon
LOCATION: complement (30816..31011)
OTHER INFORMATION: /gene= "AR"
```

OTHER INFORMATION: /number= 12
FEATURE:
NAME/KEY: exon
LOCATION: complement (30470..30626)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 13
FEATURE:
NAME/KEY: exon
LOCATION: complement (30187..30274)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 14
FEATURE:
NAME/KEY: exon
LOCATION: complement (29945..30073)
OTHER INFORMATION: /gene= "AR"
OTHER INFORMATION: /number= 15
FEATURE:
NAME/KEY: exon
LOCATION: complement (29664..29856)
OTHER INFORMATION: /gene= "ARS"
OTHER INFORMATION: /number= 16
US-08-814-095-7

Query Match 32.8%; Score 19; DB 3; Length 35060;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 27 GTCTCGGCTCTTGGCCTC 45
Db 6964 GTCTCGGCTCTTGGCCTC 6946

RESULT 3
US-09-426-072-3
Sequence 3, Application US/09426072
Patent No. 6146869
GENERAL INFORMATION:
APPLICANT: Paul Harris
APPLICANT: Kimberly M. Brown
TITLE OF INVENTION: Polypeptides Having Phospholipase B
TITLE OF INVENTION: Activity And Nucleic Acids Encoding Same
FILE REFERENCE: 5951.000-US
CURRENT APPLICATION NUMBER: US/09/426,072
CURRENT FILING DATE: 1999-10-21
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3
LENGTH: 27
TYPE: DNA
ORGANISM: Aspergillus oryzae
US-09-426-072-3

Query Match 31.0%; Score 18; DB 3; Length 27;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 2 ATGAAGTCCACCGCTCTG 19
Db 10 ATGAAGTCCACCGCTCTG 27

RESULT 4
US-09-949-016-24377
Sequence 24377, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755

PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 24377
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-24377

Query Match 29.3%; Score 17; DB 3; Length 601;
Best Local Similarity 100.0%; Pred. No. 6.8;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 33 GCCTCTTGGCCTCTCTC 49
Db 478 GCCTCTTGGCCTCTCTC 494

RESULT 5
US-09-949-016-199548
Sequence 199548, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 199548
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-199548

Query Match 29.3%; Score 17; DB 3; Length 601;
Best Local Similarity 100.0%; Pred. No. 6.8;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 33 GCCTCTTGGCCTCTCTC 49
Db 478 GCCTCTTGGCCTCTCTC 494

RESULT 6
US-09-949-002-2643/c
Sequence 2643, Application US/09949002
Patent No. 6900016
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: CL000790
CURRENT APPLICATION NUMBER: US/09/949,002
CURRENT FILING DATE: 2000-01-28
PRIOR APPLICATION NUMBER: 60/231,401
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 10823
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2643

```
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-2643

Query Match      29.3%; Score 17; DB 3; Length 601;
Best Local Similarity 100.0%; Pred. No. 6.8;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 GCCTCTCTCGGCTTGC 57
Db 46 GCCTCTCTCGGCTTGC 30

RESULT 7
US-09-949-002-2644/c
; Sequence 2644, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2644
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-2644

Query Match      29.3%; Score 17; DB 3; Length 601;
Best Local Similarity 100.0%; Pred. No. 6.8;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 GCCTCTCTCGGCTTGC 57
Db 403 GCCTCTCTCGGCTTGC 387

RESULT 8
US-09-949-002-2645/c
; Sequence 2645, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2645
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-2645

Query Match      29.3%; Score 17; DB 3; Length 601;
Best Local Similarity 100.0%; Pred. No. 6.8;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 GCCTCTCTCGGCTTGC 57
Db 41 GCCTCTCTCGGCTTGC 57

RESULT 9
US-09-949-002-9913/c
; Sequence 9913, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9913
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-9913

Query Match      29.3%; Score 17; DB 3; Length 601;
Best Local Similarity 100.0%; Pred. No. 6.8;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 GCCTCTCTCGGCTTGC 57
Db 46 GCCTCTCTCGGCTTGC 30

RESULT 10
US-09-949-002-9914/c
; Sequence 9914, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9914
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-9914

Query Match      29.3%; Score 17; DB 3; Length 601;
Best Local Similarity 100.0%; Pred. No. 6.8;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 GCCTCTCTCGGCTTGC 57
Db 403 GCCTCTCTCGGCTTGC 387

RESULT 11
US-09-949-002-9915/c
; Sequence 9915, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
```

; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9915
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-002-9915

Query Match 29.3%; Score 17; DB 3; Length 601;
Best Local Similarity 100.0%; Pred. No. 6.8; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0

Qy 41 GCCTCTCTCGGCTTGGC 57
Db 578 GCCTCTCTCGGCTTGGC 562

RESULT 12
US-09-799-451-312
; Sequence 312, Application US/09799451
; Patent No. 6783969
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feivan
; APPLICANT: Zhang, Jie
; APPLICANT: Xue, Aidong J.
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Ma, Yunqing
; APPLICANT: Yamazaki, Victoria
; APPLICANT: Chen, Rui-hong
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wang, Dunrui
; APPLICANT: Yang, Yonghong
; APPLICANT: Wehrman, Tom
; APPLICANT: Ghosh, Reena
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6783969el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 803
; CURRENT APPLICATION NUMBER: US/09/799,451
; CURRENT FILING DATE: 2001-03-05
; NUMBER OF SEQ ID NOS: 948
; SOFTWARE: pc_FL_genes Version 2.0
; SEQ ID NO 312
; LENGTH: 1029
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (139)..(804)
; US-09-799-451-312

Query Match 29.3%; Score 17; DB 3; Length 1029;
Best Local Similarity 100.0%; Pred. No. 6.7; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0

Qy 29 CTCGGCCTCTTGGCCTC 45
Db 466 CTCGGCCTCTTGGCCTC 482

RESULT 13
US-09-949-016-16181/c

; Sequence 16181, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16181
; LENGTH: 9316
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-16181

Query Match 29.3%; Score 17; DB 3; Length 9316;
Best Local Similarity 100.0%; Pred. No. 6.4; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0

Qy 29 CTCGGCCTCTTGGCCTC 45
Db 8808 CTCGGCCTCTTGGCCTC 8792

RESULT 14
US-09-949-002-837
; Sequence 837, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 837
; LENGTH: 54286
; TYPE: DNA
; ORGANISM: Human
; US-09-949-002-837

Query Match 29.3%; Score 17; DB 3; Length 54286;
Best Local Similarity 100.0%; Pred. No. 6.2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 0

Qy 41 GCCTCTCTCGGCTTGGC 57
Db 46214 GCCTCTCTCGGCTTGGC 46230

RESULT 15
US-09-949-002-642
; Sequence 642, Application US/09949002
; Patent No. 6900016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000790

; CURRENT APPLICATION NUMBER: US/09/949,002
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 642
; LENGTH: 66955
; TYPE: DNA
; ORGANISM: Human
US-09-949-002-642

Query Match 29.3%; Score 17; DB 3; Length 66955;
Best Local Similarity 100.0%; Pred.No. 6.2;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 GCCTCTCTCGGTCTTGC 57
|||
Db 58755 GCCTCTCTCGGTCTTGC 58771

Search completed: February 20, 2006, 19:50:20
Job time : 70 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: February 20, 2006, 19:49:29 ; Search time 236 Seconds
(without alignments)
3494.867 Million cell updates/sec

Title: US-09-615-571A-2
Perfect score: 464
Sequence: 1 MKSTALLTGLLASGLAS.....GTTLRDAPIALKTPHFSV 464

Scoring table:

OLIGO
Xgapop 60.0 , Xgapext 60.0
Xgapop 60.0 , Xgapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1303057 seqs, 888780828 residues

Word size: 1

Total number of hits satisfying chosen parameters: 2599977

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Command line parameters:

-MODEL=frame+p2n.model -DEV=xlh
-Q=/abs/ABSWEB_epool/US09615571/runat_17022006_164409_26327/app_query.fasta_1
-DB=Issued Patents NA -QMT=fastcap -SUFFIX=olig_p2n.rn1 -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=oligo
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR SCORE=quality -THR MIN=1
-ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -HOST=abs05h
-USER=US09615571@CGN_1_193@runat_17022006_164409_26327 -NCPU=6 -ICPU=3
-NO MMAP -NEG SCORES=0 -WAIT -DSPLOCK=100 -LONGLOG -DEV TIMEOUT=120
-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:

- 1: /cgn2_6/ptodata/1/ina/1 COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5 COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/H COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/PCITUS COMB.seq.*
- 7: /cgn2_6/ptodata/1/ina/PP COMB.seq.*
- 8: /cgn2_6/ptodata/1/ina/RE COMB.seq.*
- 9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	266	57.3	2318	3	US-09-426-072-1
2	10	2.2	692	3	US-09-533-559-4754
3	19	1.9	2242	3	US-09-620-312D-15
4	8	1.7	215	3	US-09-513-999C-19903
5	8	1.7	411	3	US-09-252-991A-3621
6	8	1.7	423	3	US-09-252-991A-3714
7	8	1.7	441	3	US-09-252-991A-3175
8	8	1.7	447	3	US-09-252-991A-3088

9	1.7	504	3	US-09-621-976-13586	Sequence 13586, A
10	1.7	531	3	US-09-489-039A-2202	Sequence 2202, Ap
11	1.7	573	3	US-09-533-559-1768	Sequence 1768, Ap
12	1.7	601	3	US-09-949-016-23390	Sequence 23390, A
13	1.7	601	3	US-09-949-016-38746	Sequence 38746, A
14	1.7	601	3	US-09-949-016-79450	Sequence 79450, A
15	1.7	601	3	US-09-949-016-79451	Sequence 79451, A
16	1.7	601	3	US-09-949-016-143736	Sequence 143736, A
17	1.7	601	3	US-09-949-016-176575	Sequence 176575, A
18	1.7	753	3	US-09-252-991A-15657	Sequence 15657, A
19	1.7	993	3	US-09-252-991A-15615	Sequence 15615, A
20	1.7	1027	3	US-09-533-559-332	Sequence 332, App
21	1.7	1086	3	US-09-902-540-3495	Sequence 3495, Ap
22	1.7	1089	3	US-09-134-001C-1833	Sequence 1833, Ap
23	1.7	1110	3	US-09-902-540-2970	Sequence 2970, Ap
24	1.7	1119	3	US-09-252-991A-3800	Sequence 3800, Ap
25	1.7	1416	3	US-09-252-991A-15670	Sequence 15670, A
26	1.7	1521	3	US-09-252-991A-15579	Sequence 15579, A
27	1.7	1596	3	US-08-976-063E-33	Sequence 33, Appl
28	1.7	1617	3	US-09-252-991A-3842	Sequence 3842, Ap
29	1.7	1629	3	US-09-252-991A-2699	Sequence 2699, Ap
30	1.7	1629	3	US-09-252-991A-2986	Sequence 2986, Ap
31	1.7	1656	3	US-09-252-991A-3669	Sequence 3669, Ap
32	1.7	1725	3	US-09-252-991A-2884	Sequence 2884, Ap
33	1.7	1788	3	US-09-248-796A-12489	Sequence 12489, A
34	1.7	1869	3	US-09-252-991A-15737	Sequence 15737, A
35	1.7	1946	3	US-09-882-835-1	Sequence 1, Appli
36	1.7	2226	3	US-09-252-991A-12520	Sequence 12520, A
37	1.7	2682	2	US-08-791-887-1	Sequence 1, Appli
38	1.7	2682	3	US-09-146-084-1	Sequence 1, Appli
39	1.7	2823	3	US-10-104-047-1261	Sequence 1261, Ap
40	1.7	3331	3	US-09-976-594-131	Sequence 131, App
41	1.7	4040	3	US-09-999-833A-458	Sequence 458, App
42	1.7	4040	3	US-10-030-445A-458	Sequence 458, App
43	1.7	4941	3	US-08-583-110-2006	Sequence 2006, Ap
44	1.7	4945	3	US-08-961-527-47	Sequence 47, Appl
45	1.7	4953	3	US-09-620-312D-240	Sequence 240, App

ALIGNMENTS

RESULT 1
US-09-426-072-1
; Sequence 1, Application US/09426072
; Patent No. 6146869
; GENERAL INFORMATION:
; APPLICANT: Paul Harris
; APPLICANT: Kimberly M. Brown
; TITLE OF INVENTION: Polypeptides Having Phospholipase B
; TITLE OF INVENTION: Activity And Nucleic Acids Encoding Same
; FILE REFERENCE: 5951.000-US
; CURRENT APPLICATION NUMBER: US/09/426.072
; CURRENT FILING DATE: 1999-10-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2318
; TYPE: DNA
; ORGANISM: Aspergillus oryzae
US-09-426-072-1

Alignment Scores:
Pred. No.: 1.99e-264 Length: 2318
Score: 266.00 Matches: 266
Percent Similarity: 100.0% Conservatives: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 57.3% Indels: 0
DB: 3 Gaps: 0

US-09-615-571A-2 (1-464) x US-09-426-072-1 (1-2318)

Qy 199 ProThrAenProAenArgLeuCyAAlaLeuAlaGlyThrAlaAlaGlyHisGlyLysAsn 218
|||||

```
Db 1248 CCTACCAACCCCAACCGCTTGCGCTCTGGCAGGAACGGCTGCGGCGACGAT 1307
Qy 219 AspAspAspPheLeuAsnTyrGlyLeSerSerLysSerIlePheGluAlaAlaGlu 238
Db 1308 GACGATGACTTCTGAACTATGATCTCTAGCAAGTCCATCTTCGAGCGCGCAACGAG 1367
Qy 239 LysGlyValSerTrpLeuAsnTyrAspGlyThrAsnGlyGluPheGluProAspSerLeu 258
Db 1368 AAGGGCGTGTCTCGCTCAACTACCATGCGCACCAACGGAGAATTCGAACCGGATTCCTC 1427
Qy 259 PhePheThrTyrValAsnGlnThrSerArgSerAsnValProValGluAsnPhePhe 278
Db 1428 TTCCTACCTAGCTCAACAGACCTCCCGGTCCAACGTGGTCCCGTTGAAACCTTCCTC 1487
Qy 279 GlnAspAlaTyrLeuGlyValLeuProLysPheSerTyrIleAsnProSerCysGly 298
Db 1488 CAAGACGCTACCTCGGTGCTCCCTAAATTCCTTACATTAACCCCTCTCTGCTCGCGC 1547
Qy 299 ThrAsnThrAsnSerMetHisProThrGlyAsnValSerTyrGlyGluValPheValLys 318
Db 1548 ACCAACACCACTCCATGCAACCCACCGGTAAACGTCTCTACGGTGAGGTCTTCGTCAAG 1607
Qy 319 GlnIleTyrAspAlaIleArgGlnGlyProGlnTrpAspLysThrLeuLeuPheIleThr 338
Db 1608 CAGATCTATGATGCCATTCCGACGAGGCGCTCAGTGGGACAGACCTCTCTTCATTACC 1667
Qy 339 TyrAspGluThrGlyGlyPheTyrAspHisValProProLeuAlaValArgProAsp 358
Db 1668 TAGCAGCAGACCGGTGGCTTCTACGACCATGTCCCTCCCTCTCGCGTCCGCGCGGAC 1727
Qy 359 AsnLeuThrTyrThrGluThrAlaLysAsnGlyGlnLysTyrThrLeuHisPheAspArg 378
Db 1728 AACCTGACCTACACTGAGACTCGGAAGAACGGTCAAGAAATACACTCTTCACCTTCGACCGT 1787
Qy 379 LeuGlyGlyArgMetProThrTrpValIleSerProTyrSerLysLysGlyTyrIleGlu 398
Db 1788 CTGGGTGGCGCGATCGGACCTGGGTATCTCCCTTACAGTAAGAGGATACATCGAG 1847
Qy 399 GlnTyrGlyThrAspProValThrGlyLysProAlaProTyrSerAlaThrSerValLeu 418
Db 1848 CAGTACGGAACGGATCCCGTCAAGGCAAGCGCGCTCCCTACAGTGTACCTCCGCTCCTC 1907
Qy 419 LysThrLeuGlyTyrLeuTrpAspIleGluAspPheThrProArgValAlaHisSerPro 438
Db 1908 AAGACTCTCGGATATCTCTGGGACATCTGGGAGACTTACACCCCTCGTGTGCGCCACTCTCA 1967
Qy 439 SerPheAspHisLeuIleGlyThrThrLeuArgGluAspAlaProIleAlaLeuLysThr 458
Db 1968 TCTTTCGATCACCCTGATCGCAGGACTTTGCGTGAGGATGCTCTTATTGCTCTCAAGACT 2027
Qy 459 ProHisThrPheSerVal 464
Db 2028 CCCCATACCTTTTCGGTA 2045

RESULT 2
US-09-533-559-4754
; Sequence 4754, Application US/09533559
; Patent No. 6902887
; GENERAL INFORMATION:
; APPLICANT: Randy M. Berka
; APPLICANT: Michael W. Rey
; APPLICANT: Jeffrey R. Shuster
; APPLICANT: Sakari Kauppinen
; APPLICANT: Ib Groth Clausen
; APPLICANT: Peter Bjarke Olsen
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; FILE REFERENCE: Expression
; CURRENT APPLICATION NUMBER: US/09/533,559
; CURRENT FILING DATE: 2000-03-22
; EARLIER APPLICATION NUMBER: 09/273,623
; EARLIER FILING DATE: 1999-03-22
; NUMBER OF SEQ ID NOS: 7860

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4754
; LENGTH: 692
; TYPE: DNA
; ORGANISM: Aspergillus oryzae
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(692)
; OTHER INFORMATION: n = A,T,C or G
US-09-533-559-4754

Alignment Scores:
Pred. No.: 0.904 Length: 692
Score: 10.00 Matches: 10
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 2.2% Indels: 0
DB: 3 Gaps: 0

US-09-615-571A-2 (1-464) x US-09-533-559-4754 (1-692)
Qy 358 AspAsnLeuThrTyrThrGluThrAlaLys 367
Db 191 GATAACCTGACGTATACCGAAACGGCCAAG 220

RESULT 3
US-09-620-312D-15
; Sequence 15, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 15
; LENGTH: 2242
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (156)..(1649)
US-09-620-312D-15

Alignment Scores:
Pred. No.: 29.2 Length: 2242
Score: 9.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 1.9% Indels: 0
```


DB: 3 Gaps: 0
US-09-615-571A-2 (1-464) x US-09-620-312D-15 (1-2242)
Qy 12 LeuLeuAlaSerLeuGlyLeuAlaSer 20
Db 300 CTTCGGCCTCTCTGGGACTTGGCTCT 326

RESULT 4
US-09-513-999C-19903
; Sequence 19903, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 19903
; LENGTH: 215
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 58
; OTHER INFORMATION: w-a or t
US-09-513-999C-19903

Alignment Scores:
Pred. No.: 35.1 Length: 215
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 1.7% Indels: 0
DB: 3 Gaps: 0

US-09-615-571A-2 (1-464) x US-09-513-999C-19903 (1-215)
Qy 69 GlyGlyValArgArgGlnGlyLeu 76
Db 150 GCGGGGTCTCCGCCCGAGGGTTG 173

RESULT 5
US-09-252-991A-3621/c
; Sequence 3621, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3621
; LENGTH: 411
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-3621

Alignment Scores:
Pred. No.: 64.4 Length: 411
Score: 8.00

Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 1.7% Indels: 0
DB: 3 Gaps: 0

US-09-615-571A-2 (1-464) x US-09-252-991A-3621 (1-411)
Qy 10 LeuGlyLeuLeuAlaSerLeuGly 17
Db 229 CTCGGCCTCTGGGAGTCTTCGGC 206

RESULT 6
US-09-252-991A-3714/c
; Sequence 3714, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3714
; LENGTH: 423
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-3714

Alignment Scores:
Pred. No.: 66.1 Length: 423
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 1.7% Indels: 0
DB: 3 Gaps: 0

US-09-615-571A-2 (1-464) x US-09-252-991A-3714 (1-423)
Qy 10 LeuGlyLeuLeuAlaSerLeuGly 17
Db 122 CTCGGCCTCTGGGAGTCTTCGGC 99

RESULT 7
US-09-252-991A-3175/c
; Sequence 3175, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3175
; LENGTH: 441
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-3175

Alignment Scores:
Pred. No.: 68.7 Length: 441
Score: 8.00 Matches: 8

Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 1.7% Indels: 0
DB: 3 Gaps: 0

US-09-615-571A-2 (1-464) x US-09-252-991A-3175 (1-441)

Qy 12 LeuLeuAlaSerLeuGlyLeuAla 19
Db 226 CTGCTGGCCAGCCTGGCGCTGCC 203

RESULT 8

US-09-252-991A-3088/c
; Sequence 3088, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 3088
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-3088

Alignment Scores:
Pred. No.: 69.6 Length: 447
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 1.7% Indels: 0
DB: 3 Gaps: 0

US-09-615-571A-2 (1-464) x US-09-252-991A-3088 (1-447)

Qy 12 LeuLeuAlaSerLeuGlyLeuAla 19
Db 332 CTGCTGGCCAGCCTGGCGCTGCC 309

RESULT 9

US-09-621-976-13586
; Sequence 13586, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 13586
; LENGTH: 504
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 176
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-13586

Alignment Scores:
Pred. No.: 77.9 Length: 504

Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 1.7% Indels: 0
DB: 3 Gaps: 0

US-09-615-571A-2 (1-464) x US-09-621-976-13586 (1-504)

Qy 11 GlyLeuLeuAlaSerLeuGlyLeu 18
Db 418 GGCCTGTTGGCTAGCCTGGCCTC 441

RESULT 10

US-09-489-039A-2202
; Sequence 2202, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 2202
; LENGTH: 531
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-2202

Alignment Scores:
Pred. No.: 81.8 Length: 531
Score: 8.00 Matches: 8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 1.7% Indels: 0
DB: 3 Gaps: 0

US-09-615-571A-2 (1-464) x US-09-489-039A-2202 (1-531)

Qy 407 GlyLysProAlaProTyrSerAla 414
Db 165 GGAAGGCTGCACCATATTACGA 198

RESULT 11

US-09-533-559-1768
; Sequence 1768, Application US/09533559
; Patent No. 6902887
; GENERAL INFORMATION:
; APPLICANT: Randy M. Berka
; APPLICANT: Michael W. Rey
; APPLICANT: Jeffrey R. Shuster
; APPLICANT: Sakari Kauppinen
; APPLICANT: Ib Groth Clausen
; APPLICANT: Peter Bjørk Olsen
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene
; FILE REFERENCE: 5849.200-US
; CURRENT APPLICATION NUMBER: US/09/533,559
; CURRENT FILING DATE: 2000-03-22
; EARLIER APPLICATION NUMBER: 09/273,623
; EARLIER FILING DATE: 1999-03-22
; NUMBER OF SEQ ID NOS: 7860
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1768
; LENGTH: 573
; TYPE: DNA
; ORGANISM: Fusarium venenatum
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(573)

```
; OTHER INFORMATION: n = A,T,C or G
US-09-533-559-1768

Alignment Scores:
Pred. No.:      87.8      Length:      573
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    1.7%      Indels:      0
DB:             3         Gaps:        0

US-09-615-571A-2 (1-464) x US-09-533-559-1768 (1-573)
Qy  411 ProTyrSerAlaThrSerValLeu 418
Db   1 CCTACTCCGCCACACAGGCTCCTC 24

RESULT 12
US-09-949-016-23390
; Sequence 23390, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23390
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-23390

Alignment Scores:
Pred. No.:      91.8      Length:      601
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    1.7%      Indels:      0
DB:             3         Gaps:        0

US-09-615-571A-2 (1-464) x US-09-949-016-23390 (1-601)
Qy  15 SerLeuGlyLeuAlaSerProVal 22
Db  265 TCCCTGGGACTTGCTTCCCTGTG 288

RESULT 13
US-09-949-016-38746/c
; Sequence 38746, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38746
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-38746/c

Alignment Scores:
Pred. No.:      91.8      Length:      601
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    1.7%      Indels:      0
DB:             3         Gaps:        0

US-09-615-571A-2 (1-464) x US-09-949-016-38746 (1-601)
Qy  8 ThrGlyLeuGlyLeuLeuAlaSer 15
Db  177 ACTGGTCTTGACTCTCGGCTCG 200

RESULT 15
US-09-949-016-79451
; Sequence 79451, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 79450
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-79450

Alignment Scores:
Pred. No.:      91.8      Length:      601
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    1.7%      Indels:      0
DB:             3         Gaps:        0

US-09-615-571A-2 (1-464) x US-09-949-016-79450 (1-601)
Qy  10 LeuGlyLeuLeuAlaSerLeuGly 17
Db  128 CTGGGCTCTCTGCTCTCTGGGA 105

RESULT 14
US-09-949-016-79450
; Sequence 79450, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 79450
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-79450

Alignment Scores:
Pred. No.:      91.8      Length:      601
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:    1.7%      Indels:      0
DB:             3         Gaps:        0

US-09-615-571A-2 (1-464) x US-09-949-016-38746 (1-601)
Qy  10 LeuGlyLeuLeuAlaSerLeuGly 17
Db  128 CTGGGCTCTCTGCTCTCTGGGA 105
```

```
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 79451
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-79451
```

```
Alignment Scores:
Pred. No.:      91.8      Length:      601
Score:          8.00      Matches:      8
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match:      1.7%      Indels:      0
DB:                3        Gaps:        0
```

```
US-09-615-571A-2 (1-464) x US-09-949-016-79451 (1-601)
```

```
Qy      8 ThrGlyLeuGlyLeuLeuAlaSer 15
Db      157 ACTGGCTCTGGACTCCTGCCTCG 180
```

```
Search completed: February 20, 2006, 19:54:20
Job time : 240 secs
```